

FIG. 1

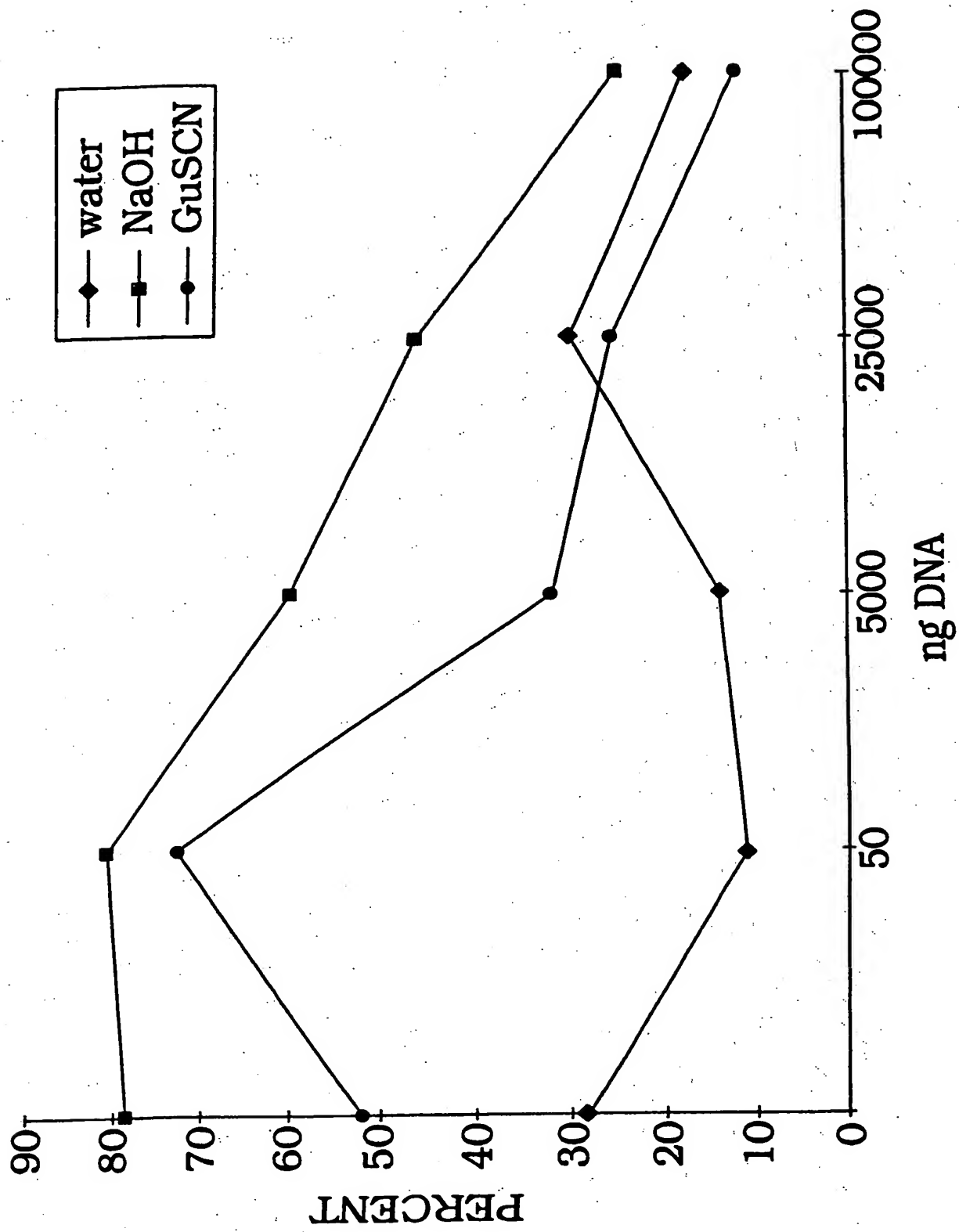


FIG. 2

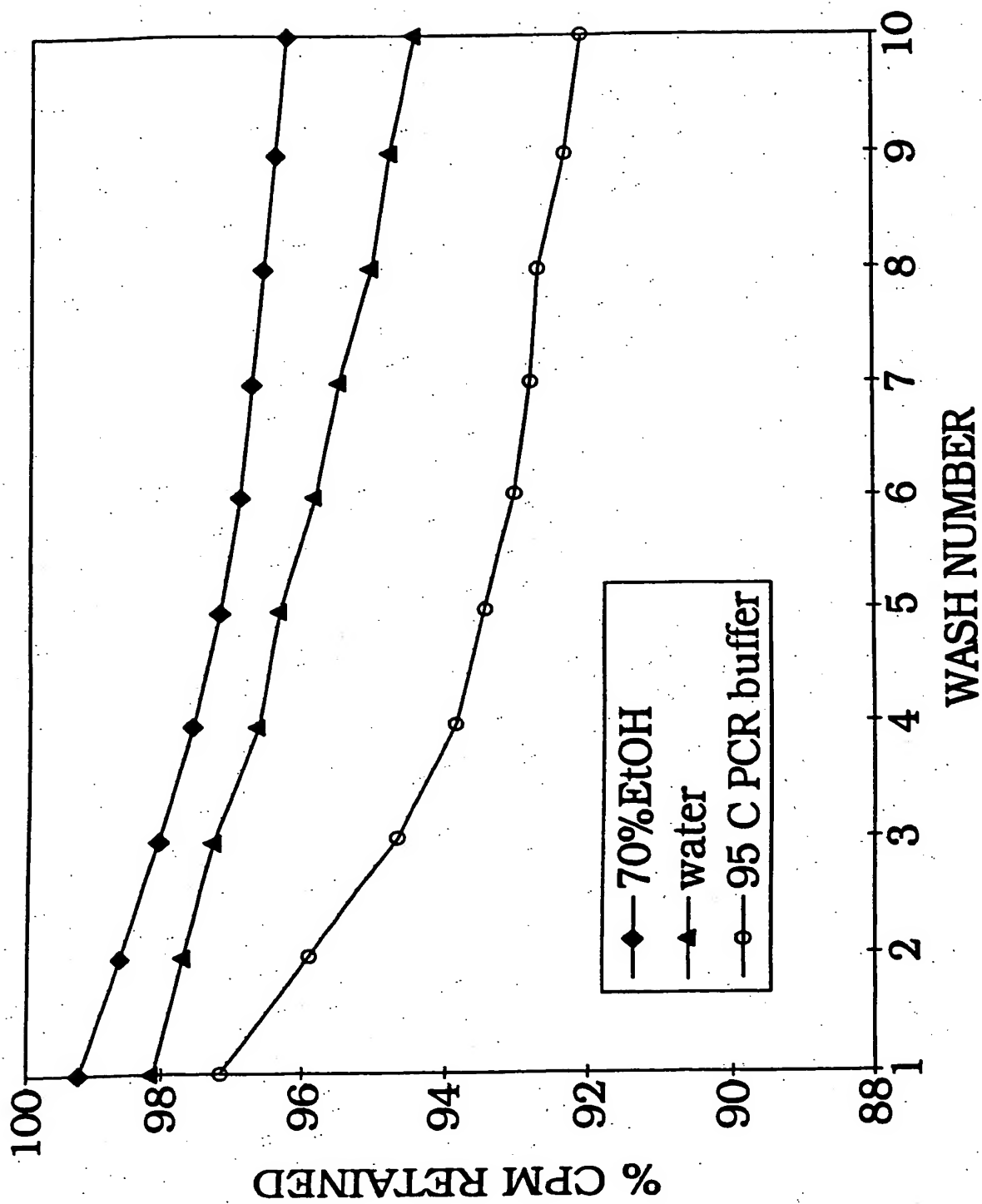


FIG. 3

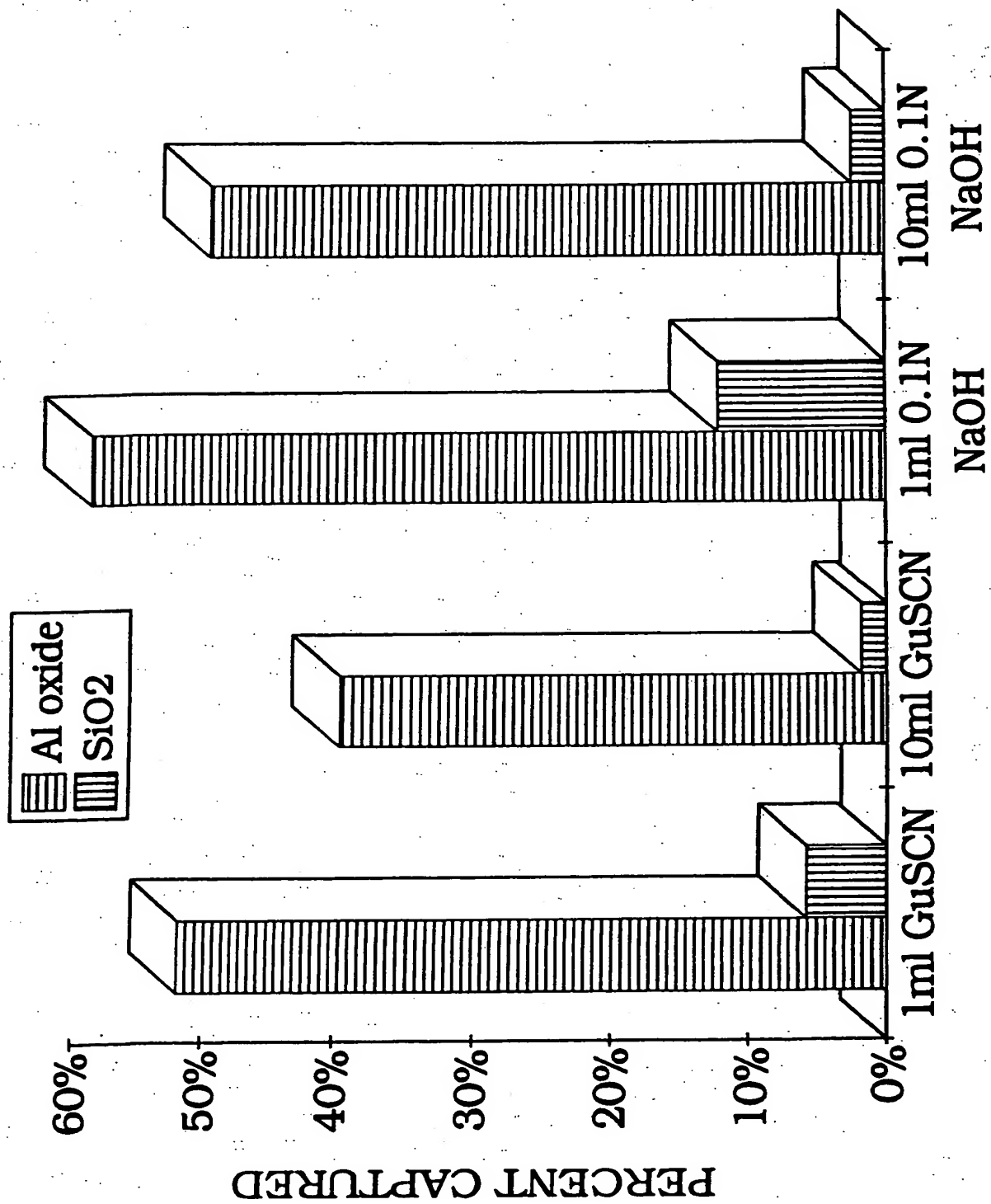


FIG. 4

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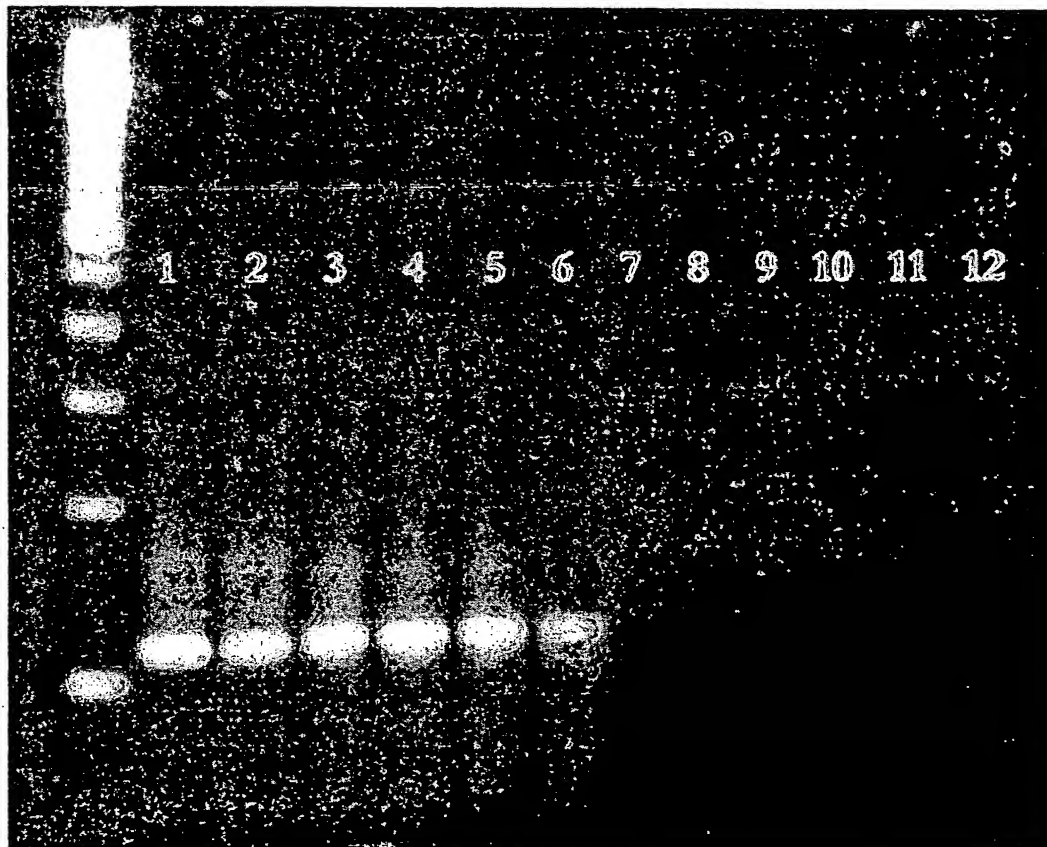


FIG. 5

Panel A

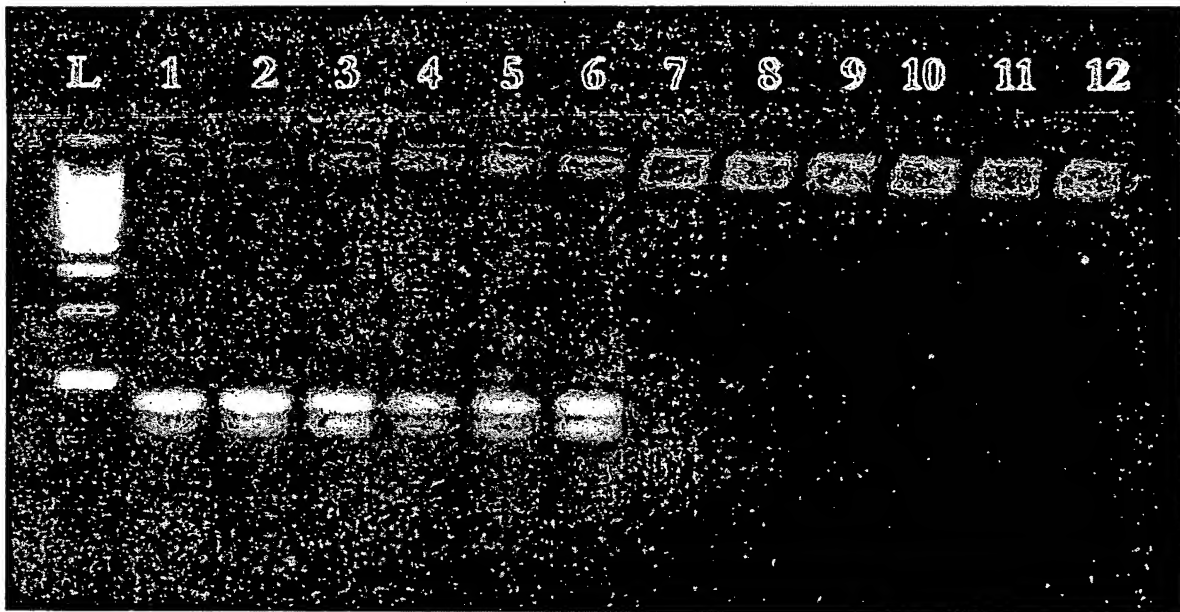


FIG. 5

Panel B

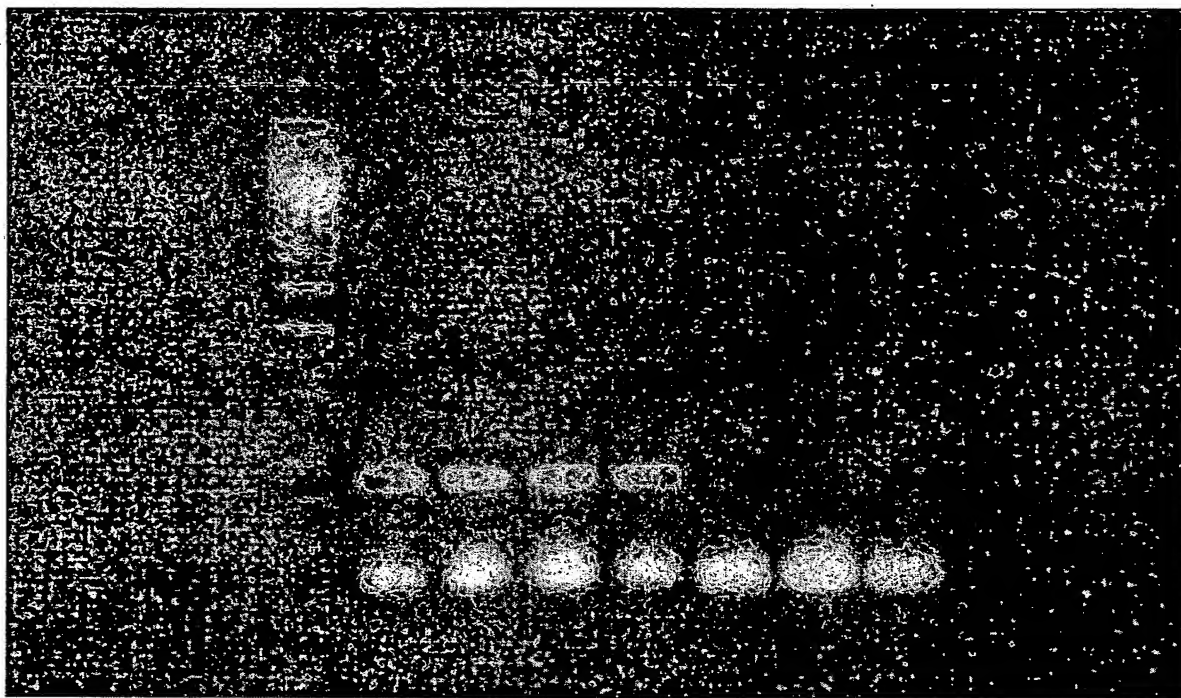
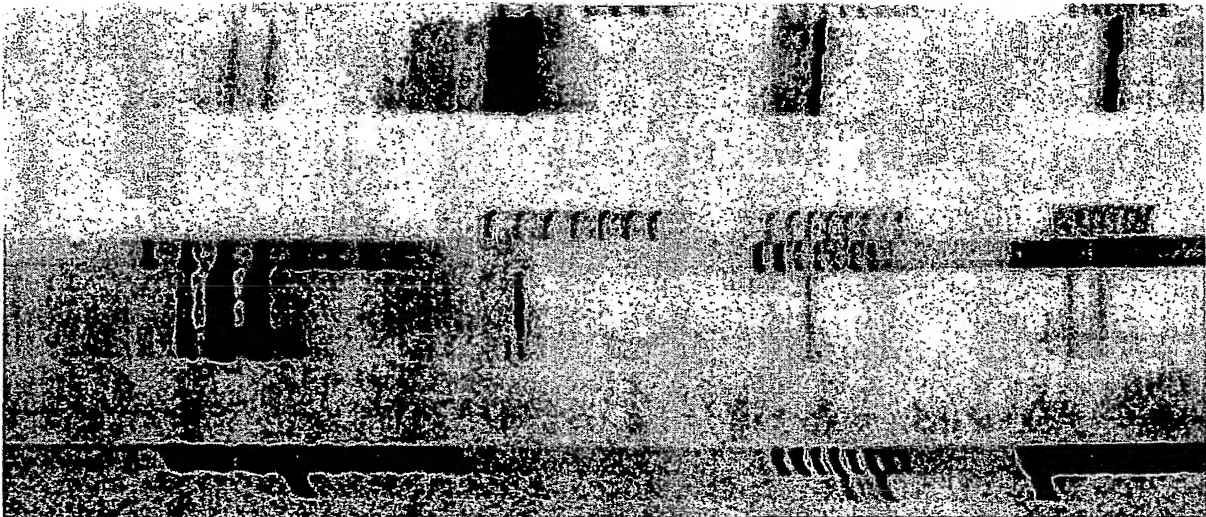


FIG. 6

REPLACEMENT SHEET

BEST AVAILABLE COPY

FIG. 7



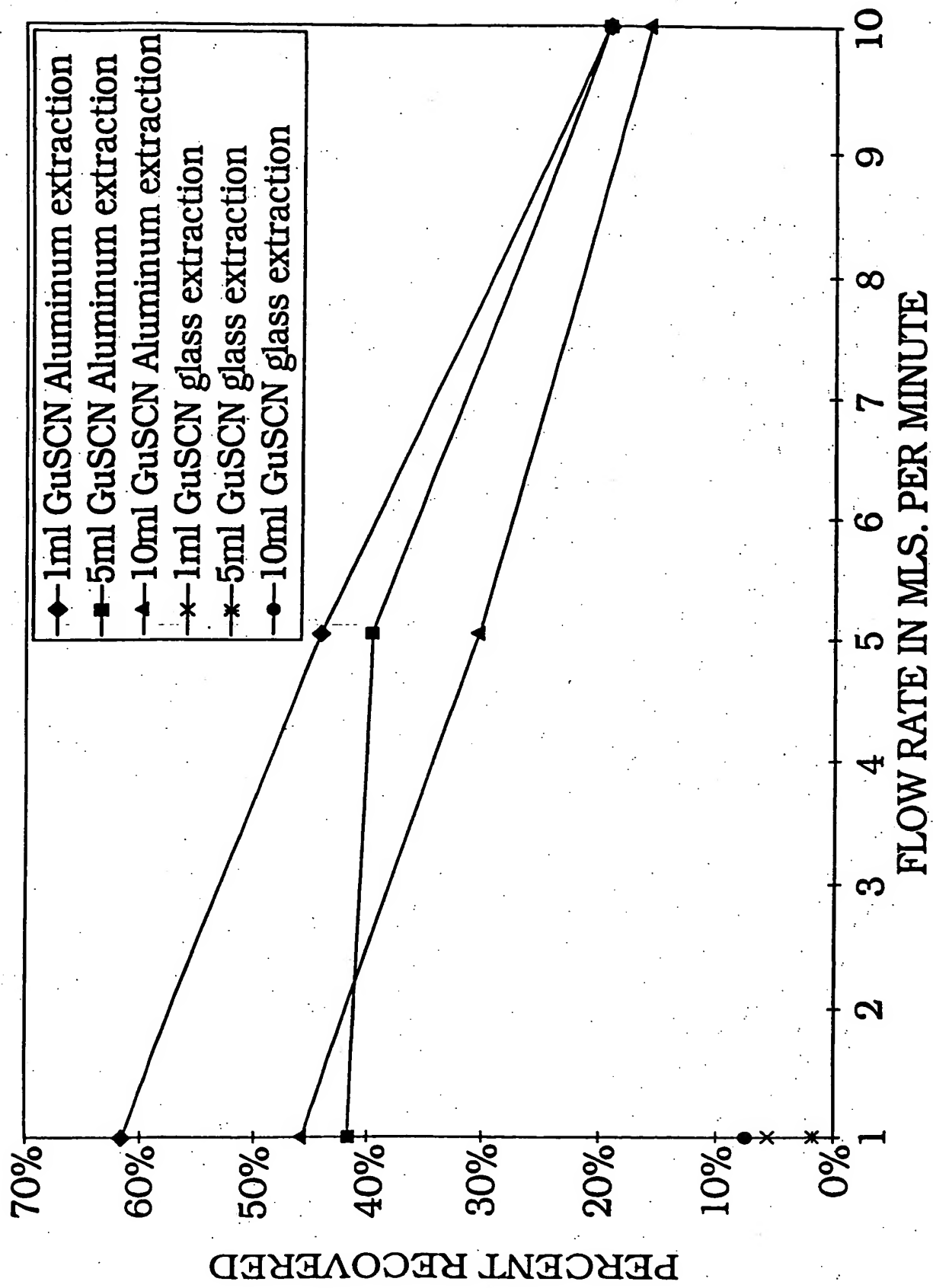
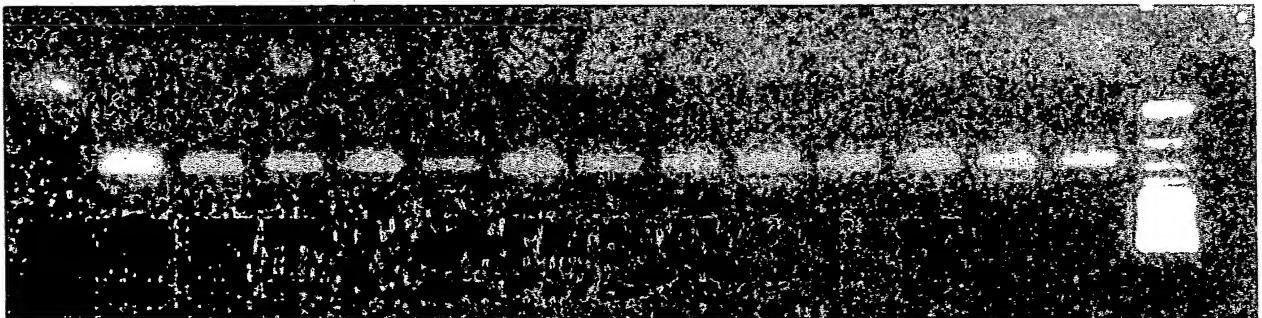


FIG. 8

FIG. 9



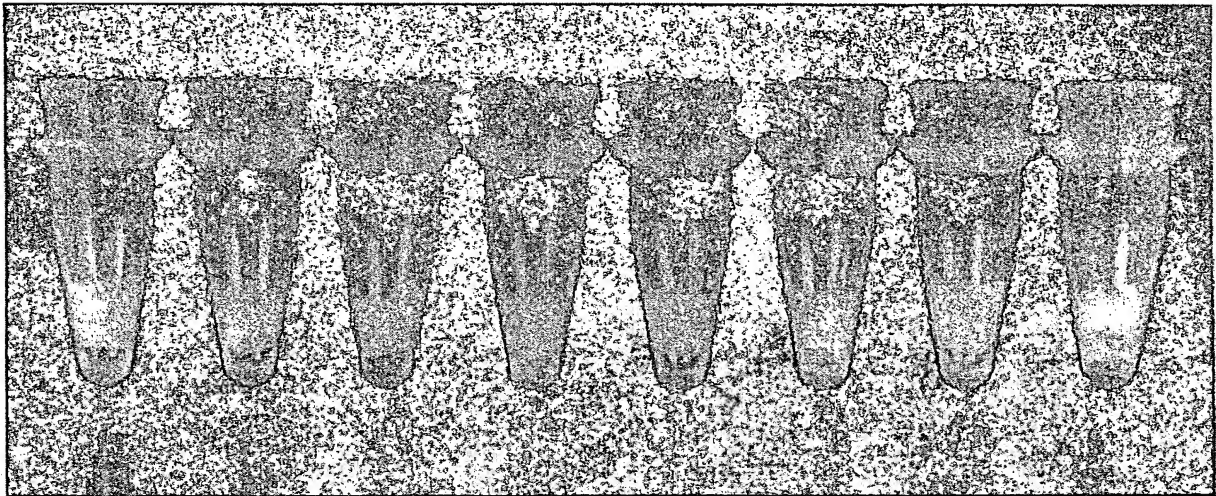


FIG. 10

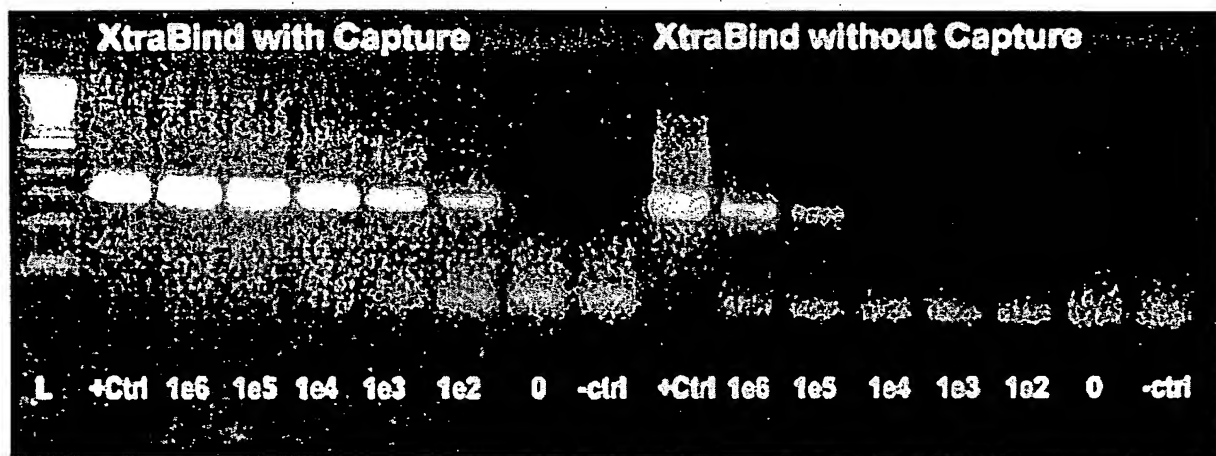


FIG. 11

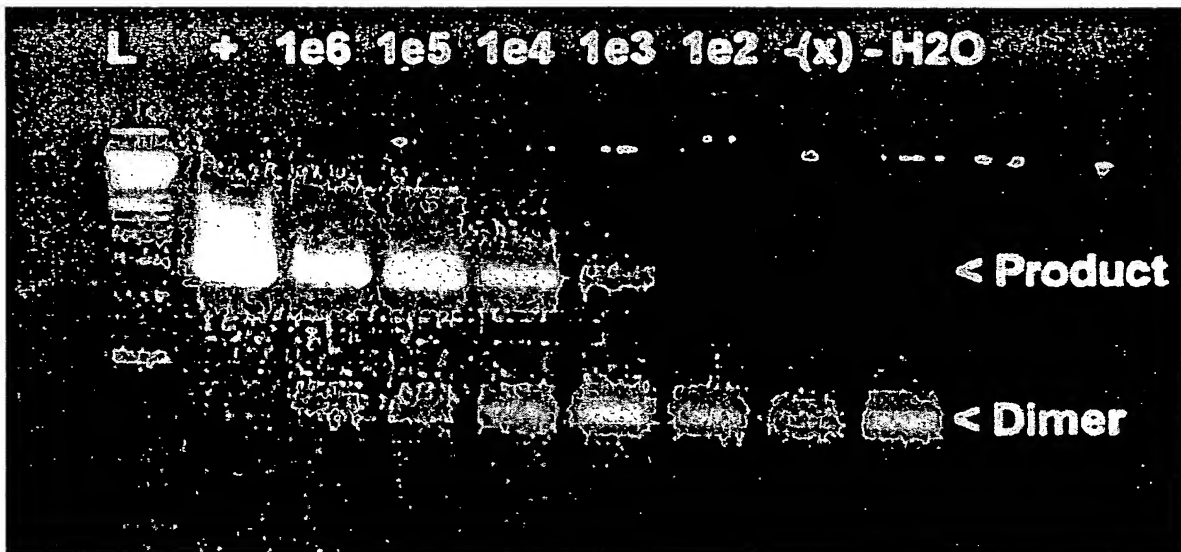


FIG. 12

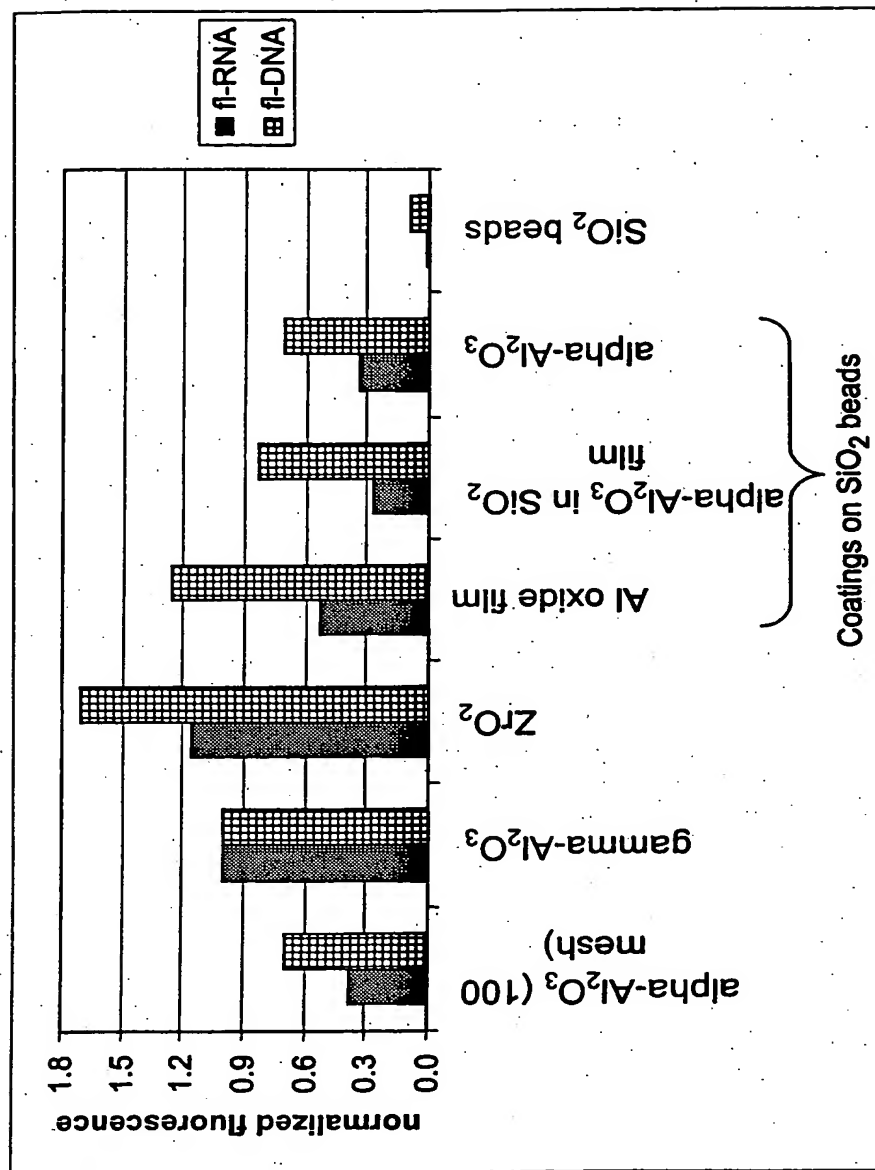


FIG. 13

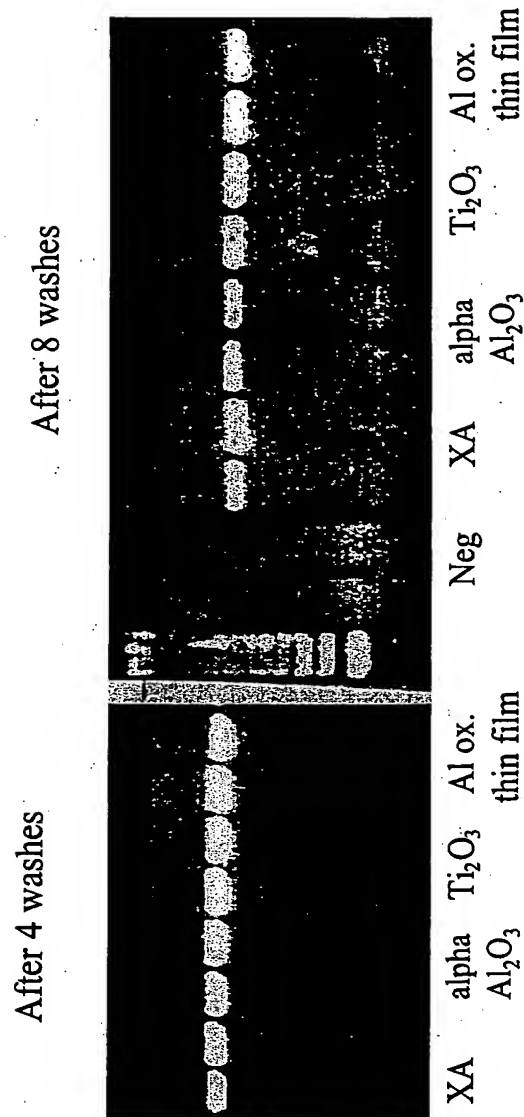
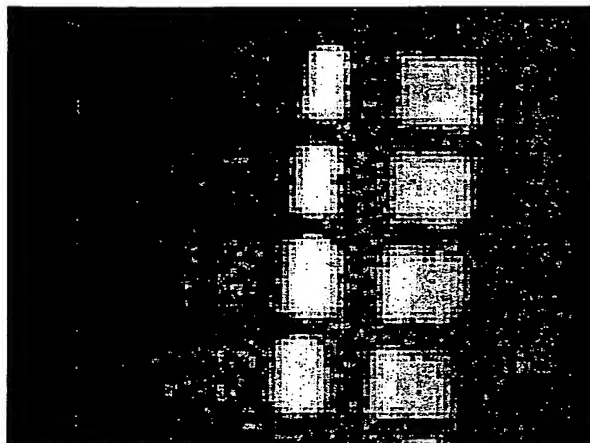


FIG. 14

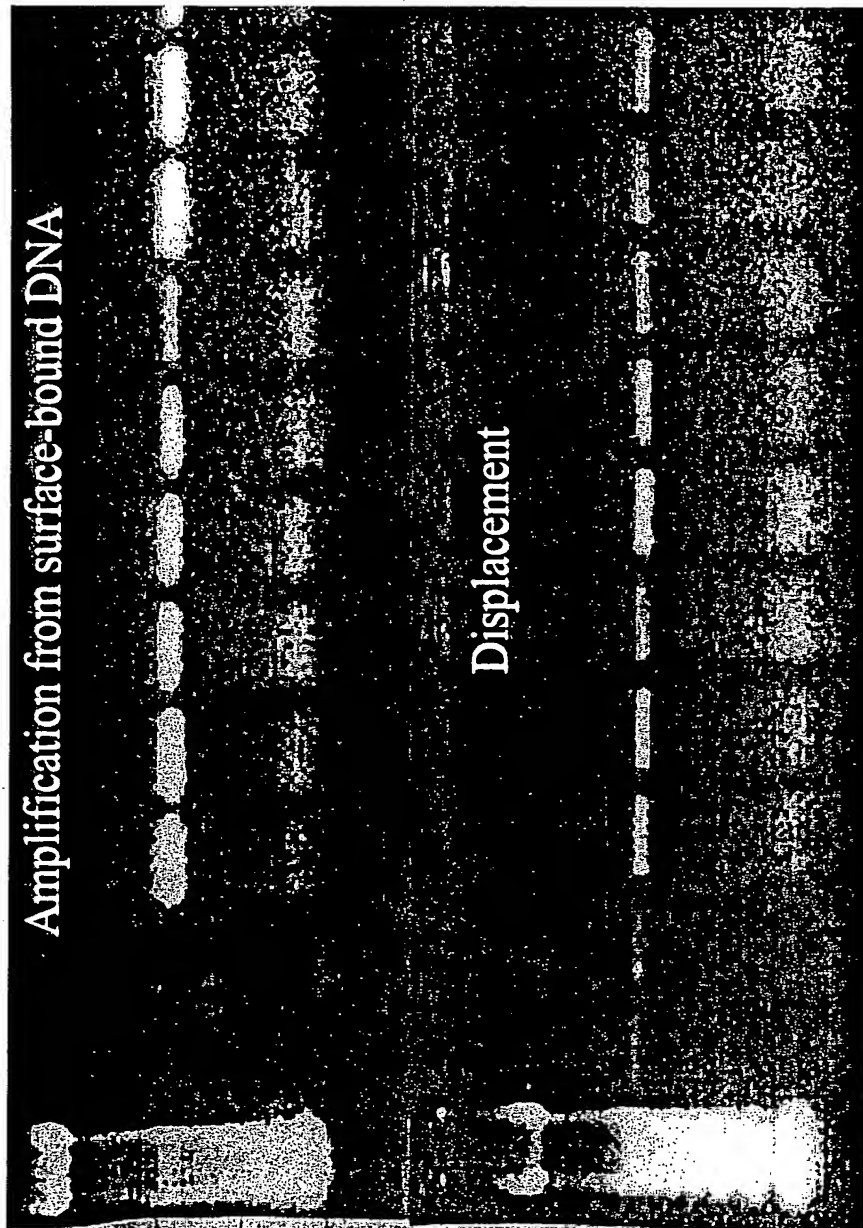


156 ng 17 ng
DNA

FIG. 15

1	XTRA AMP		1	Ti SUREY	
2	10 ³	4 2	10 ³		
3	1	4 3	1		
4	10 ²	4 4	10 ²		
5	1	4 5	1		
6	10 ¹	1 6	10 ¹		
7	1	0 7	1		
8	2x 10 ⁰	0 8	2x 10 ⁰		
9	1	0 9	1		
10		10			
11		11			
12	NCYA	4 12	10 ³		
13		4 13	1		
14	NC.Ti	0 14	10 ²		
15		3 15	1		
16	NC.F	0 16	10 ¹		
17		2 17	1		
18	*Note: All Signals Read at 20 minutes.	2 18	2x 10 ⁰		
19		2 19	1		

FIG. 16



Neg XA α -Al₂O₃ Ti₂O₃ Al ox.
thin film

FIG. 17

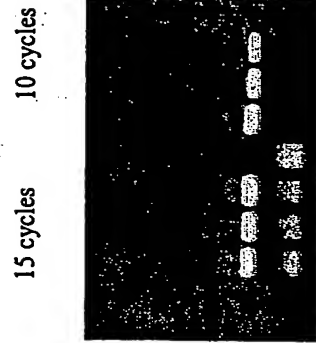


FIGURE 19

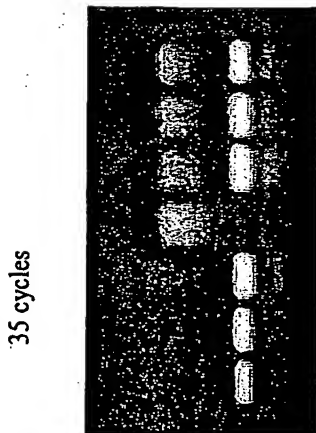


FIGURE 18

REPLACEMENT SHEET

BEST AVAILABLE COPY

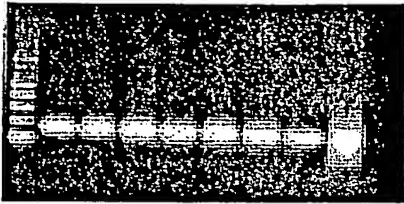


FIGURE 20

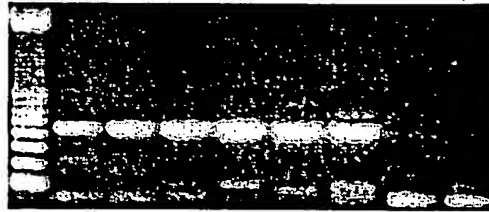


FIGURE 21

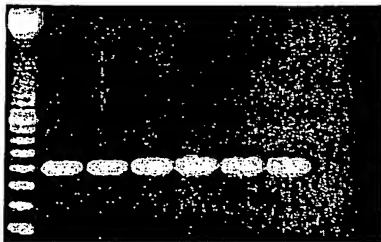


FIGURE 22

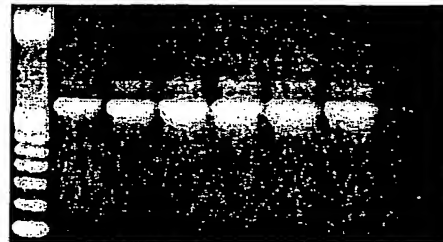


FIGURE 23

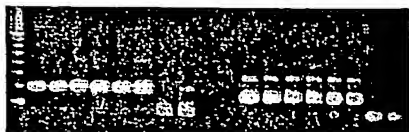


FIGURE 24



FIGURE 25

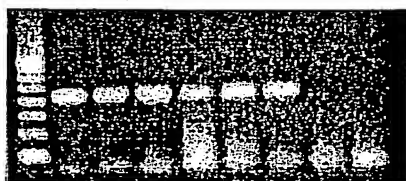


FIGURE 26